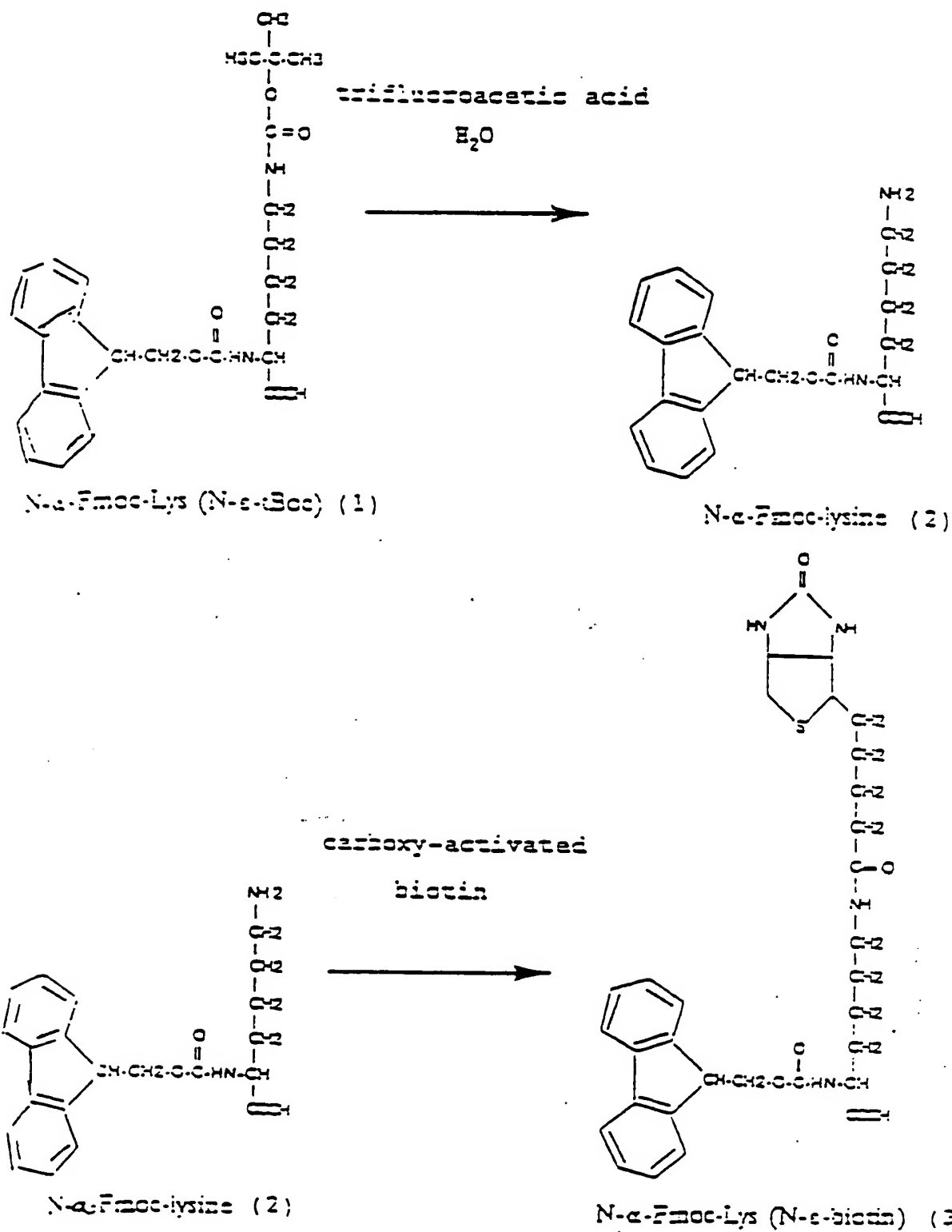


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Figure 1

Method A

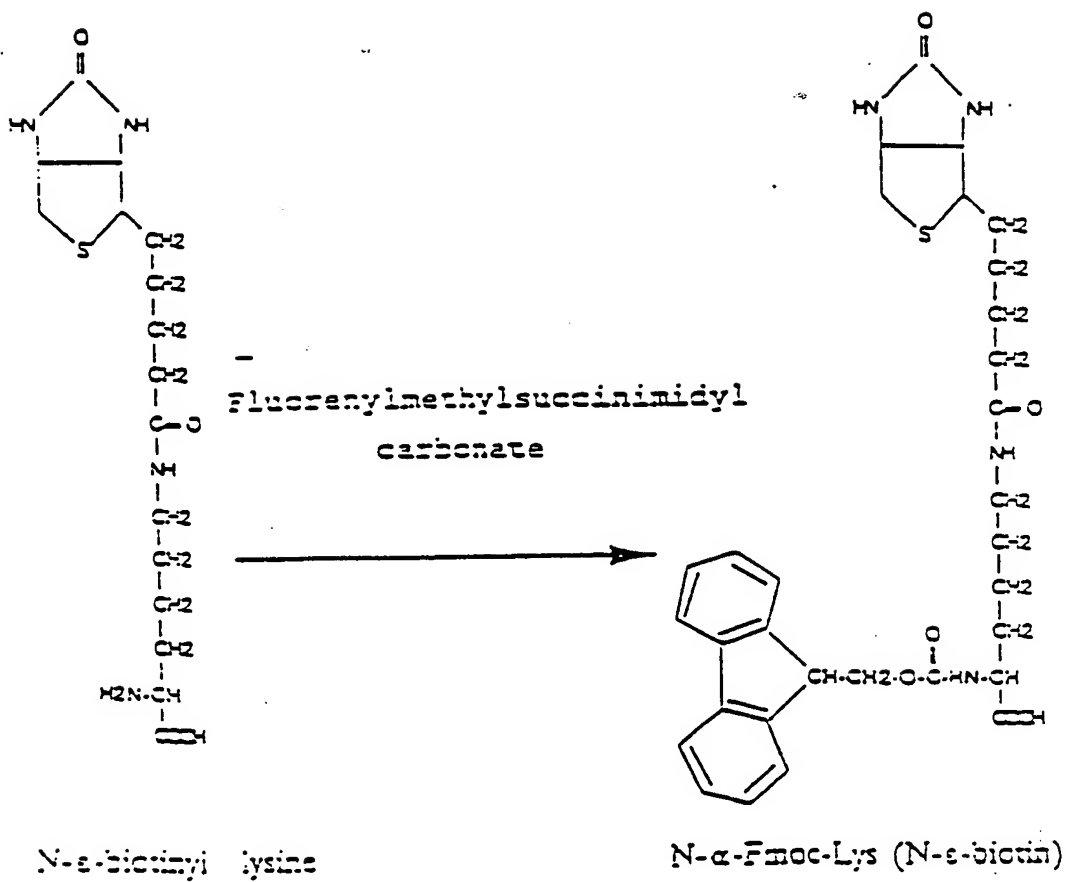




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Figure 1 Continued

Method B

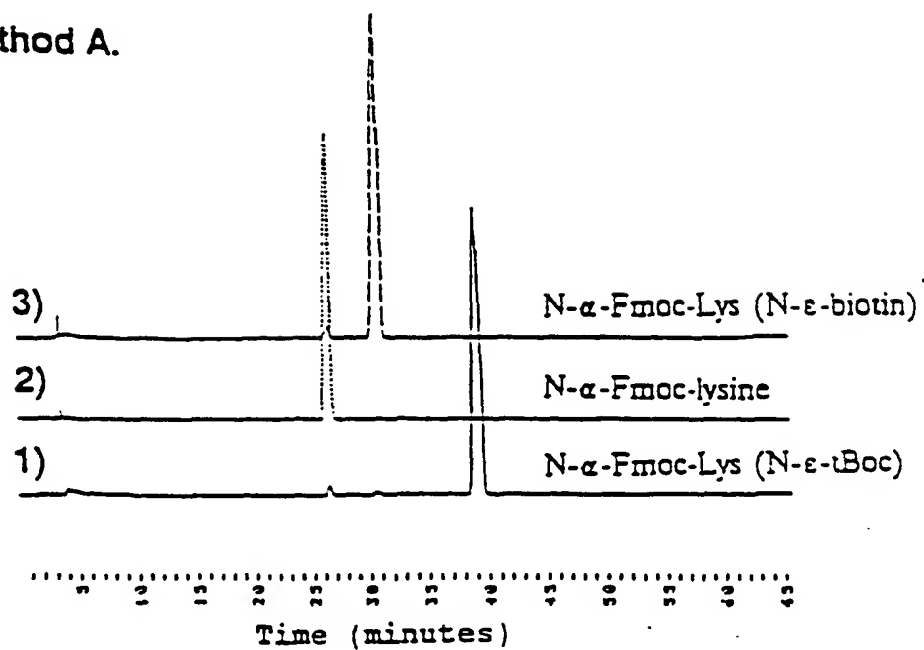




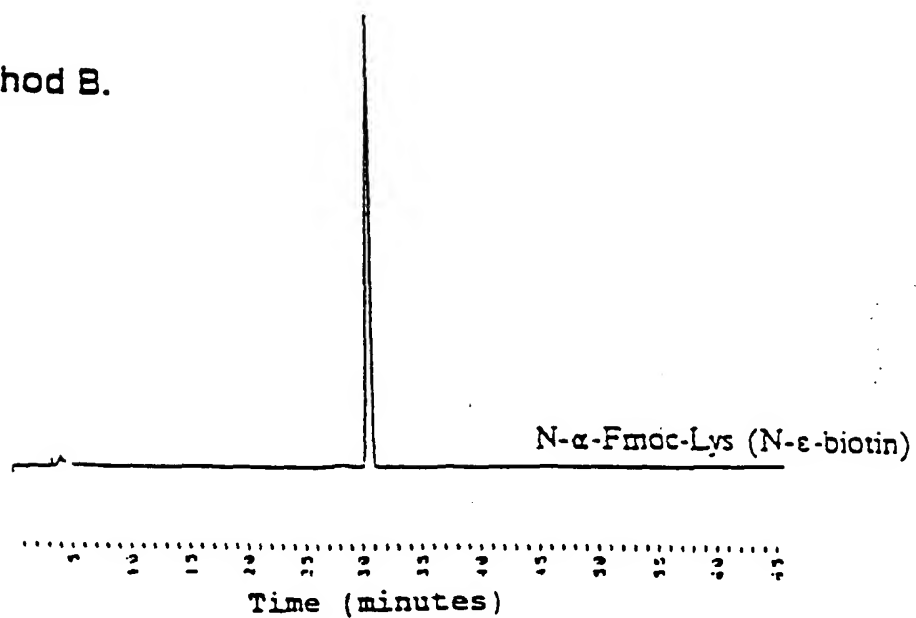
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Figure 2

## Method A.



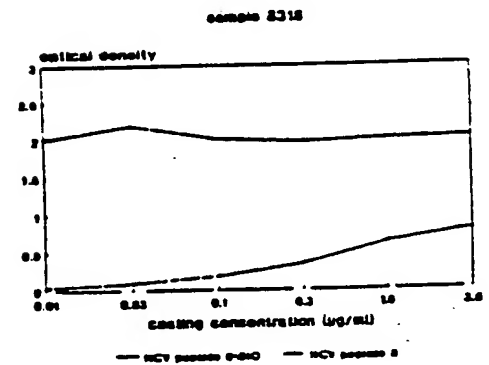
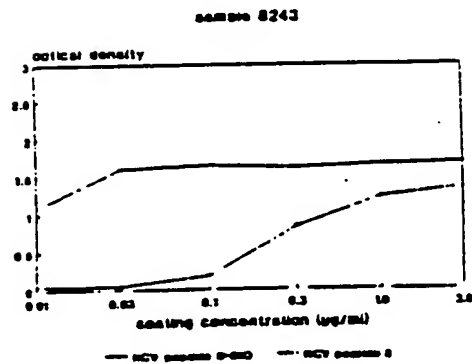
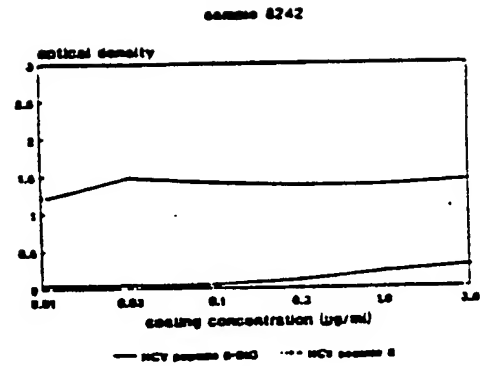
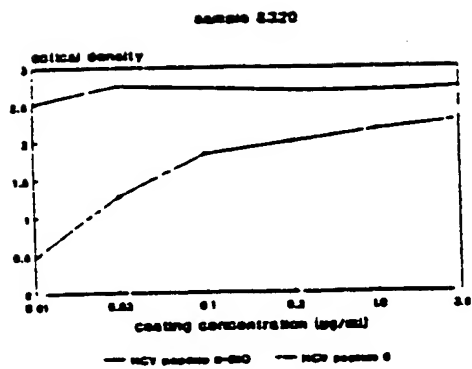
## Method B.





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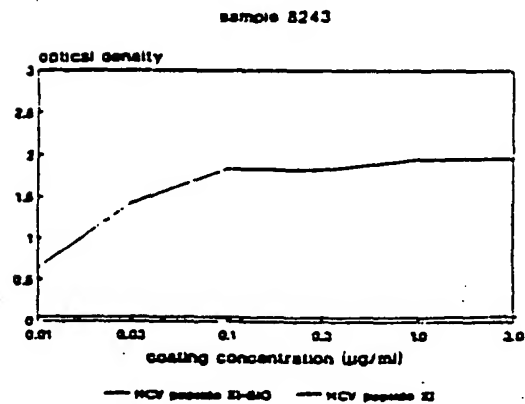
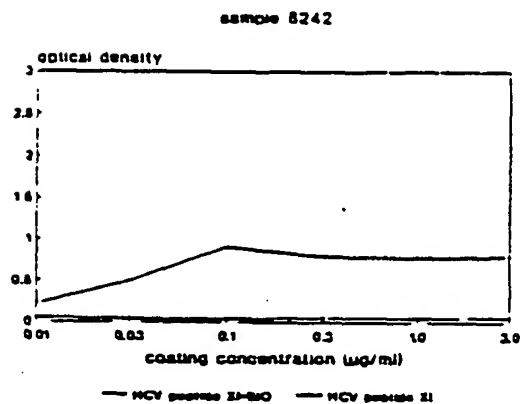
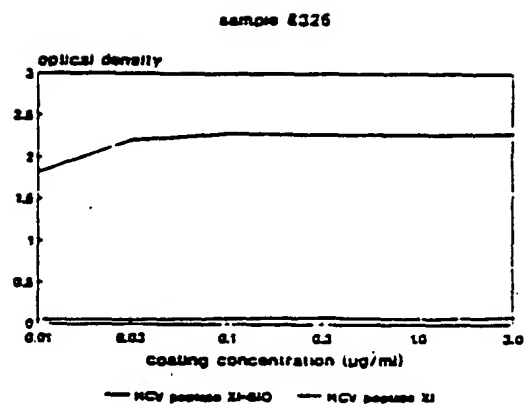
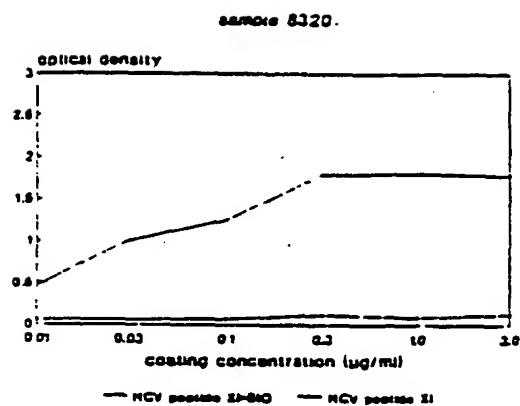
Figure 3a





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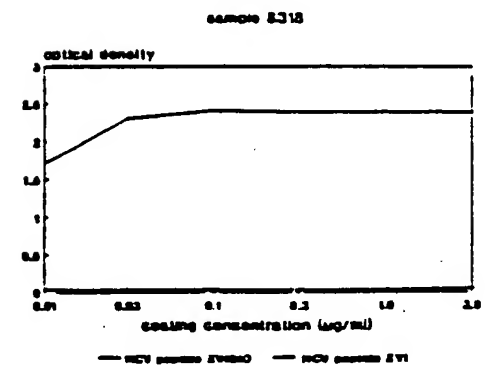
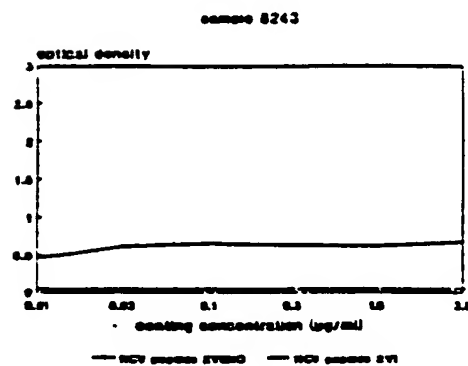
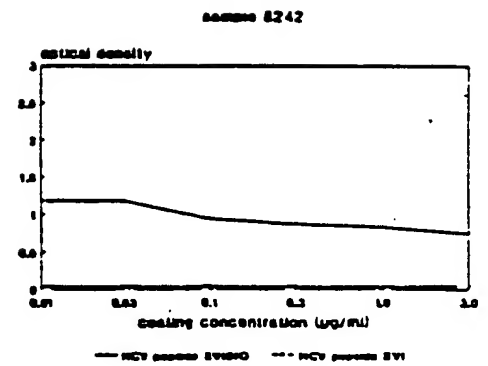
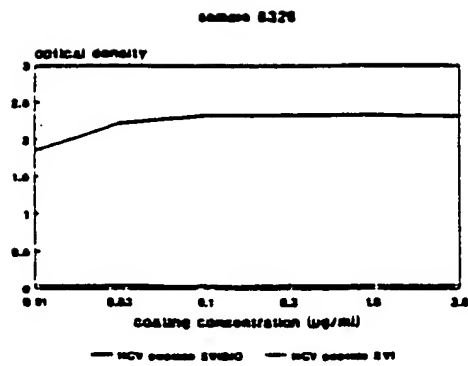
Figure 3b





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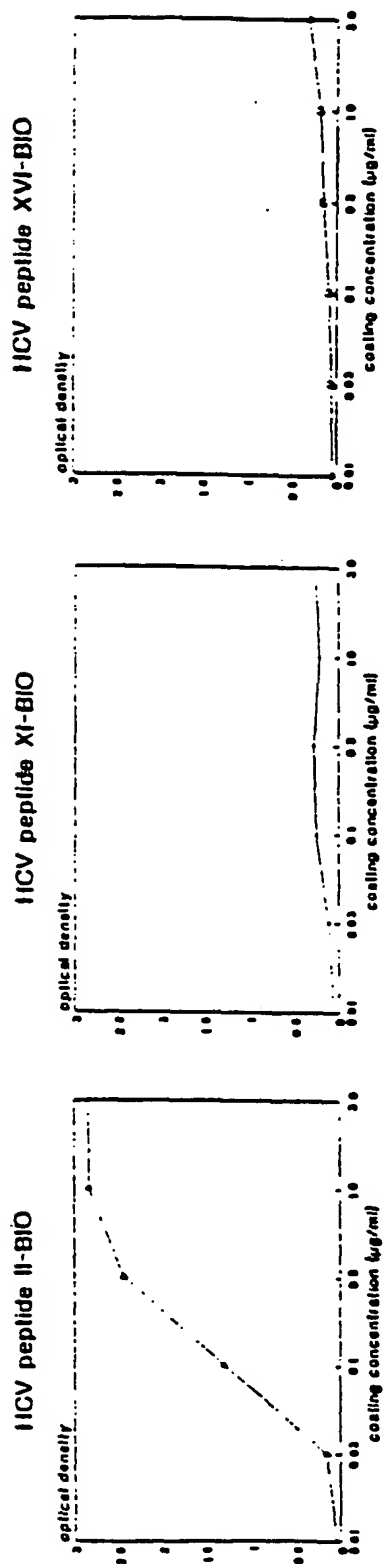
Figure 3c





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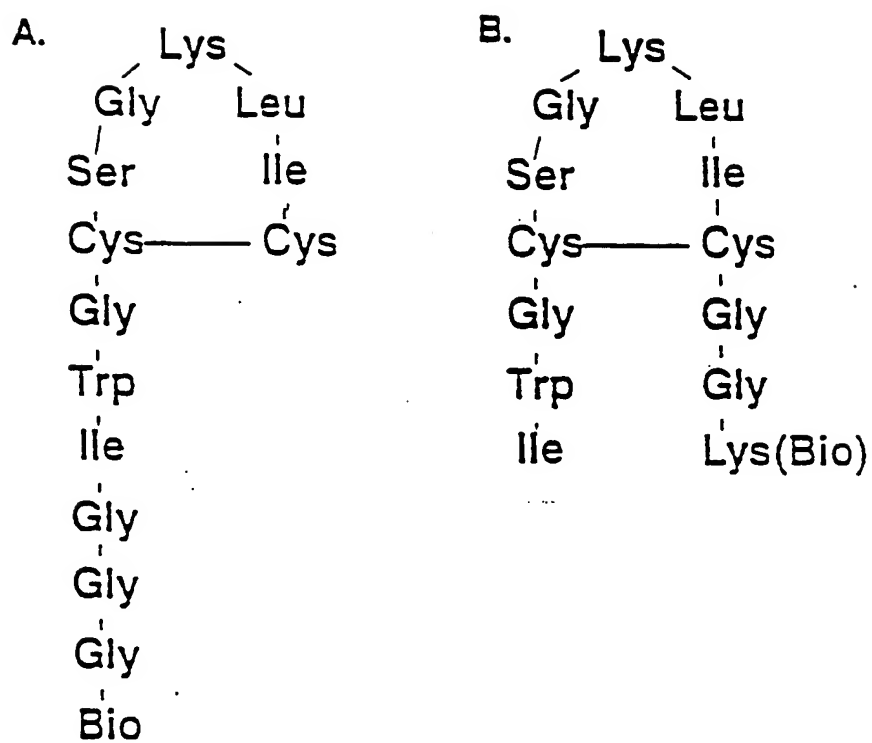
Figure 4





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Figure 5



N-terminally biotinylated TM peptide

C-terminally biotinylated TM peptide



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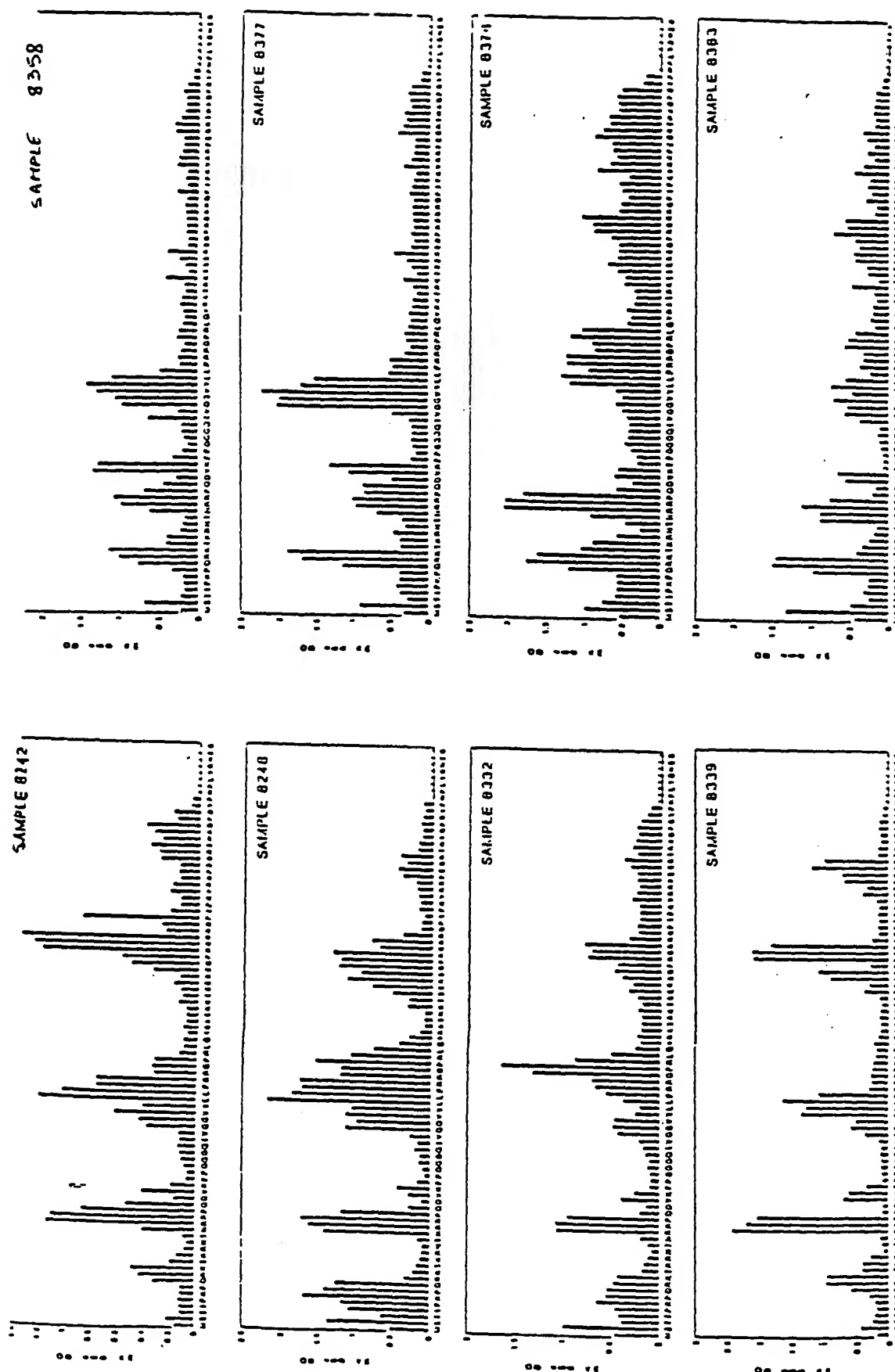


Figure 6a  
HCV CORE PEPTIDES (1-13)



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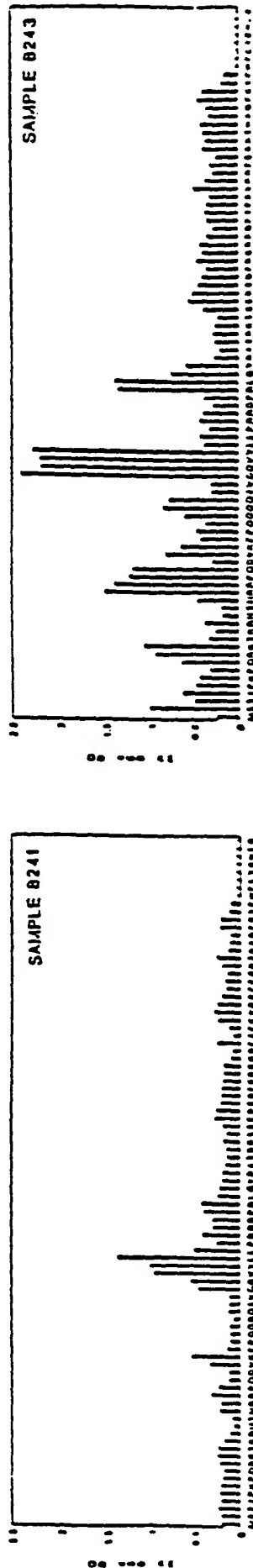


Figure 6a (continued)  
HCV CORE PEPTIDES (1-13)



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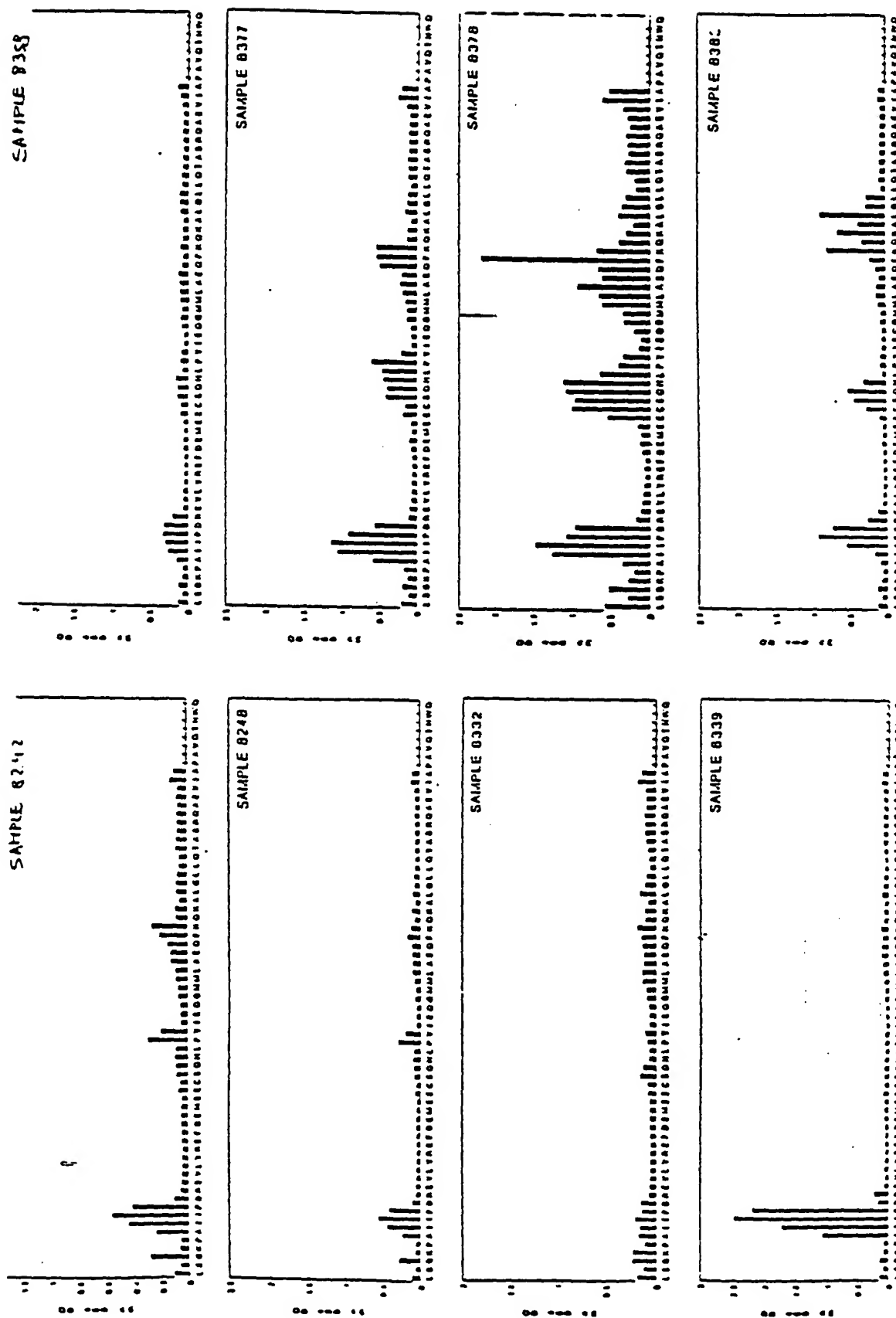


Figure 6b  
HCV NS4 PEPTIDES (1-9)



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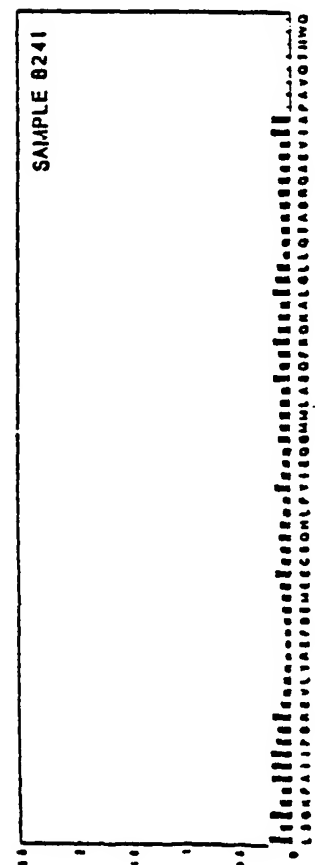
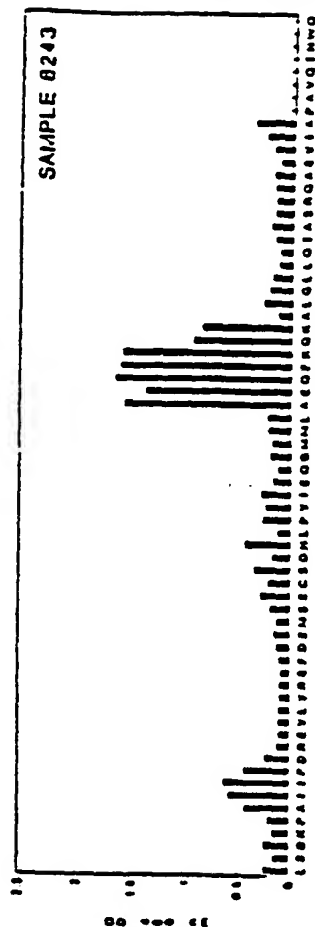
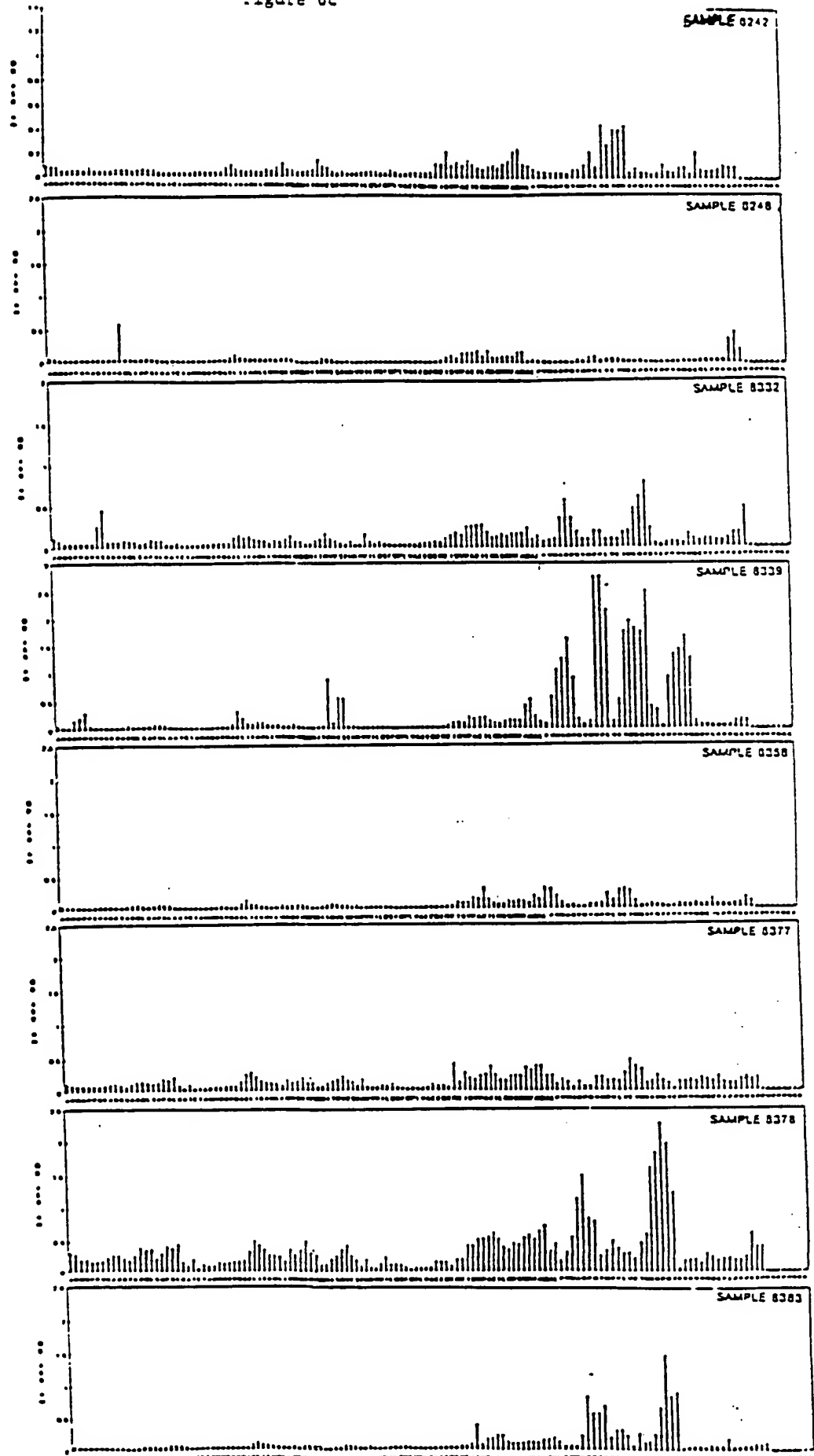


Figure 6b (continued)  
HCV NS4 PEPTIDES (1-9)



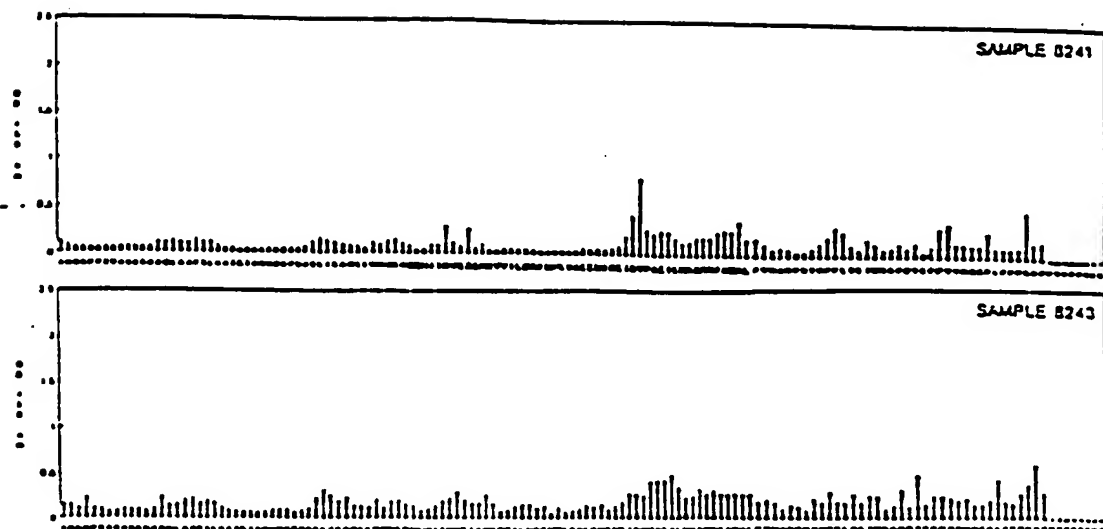
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Figure 6c





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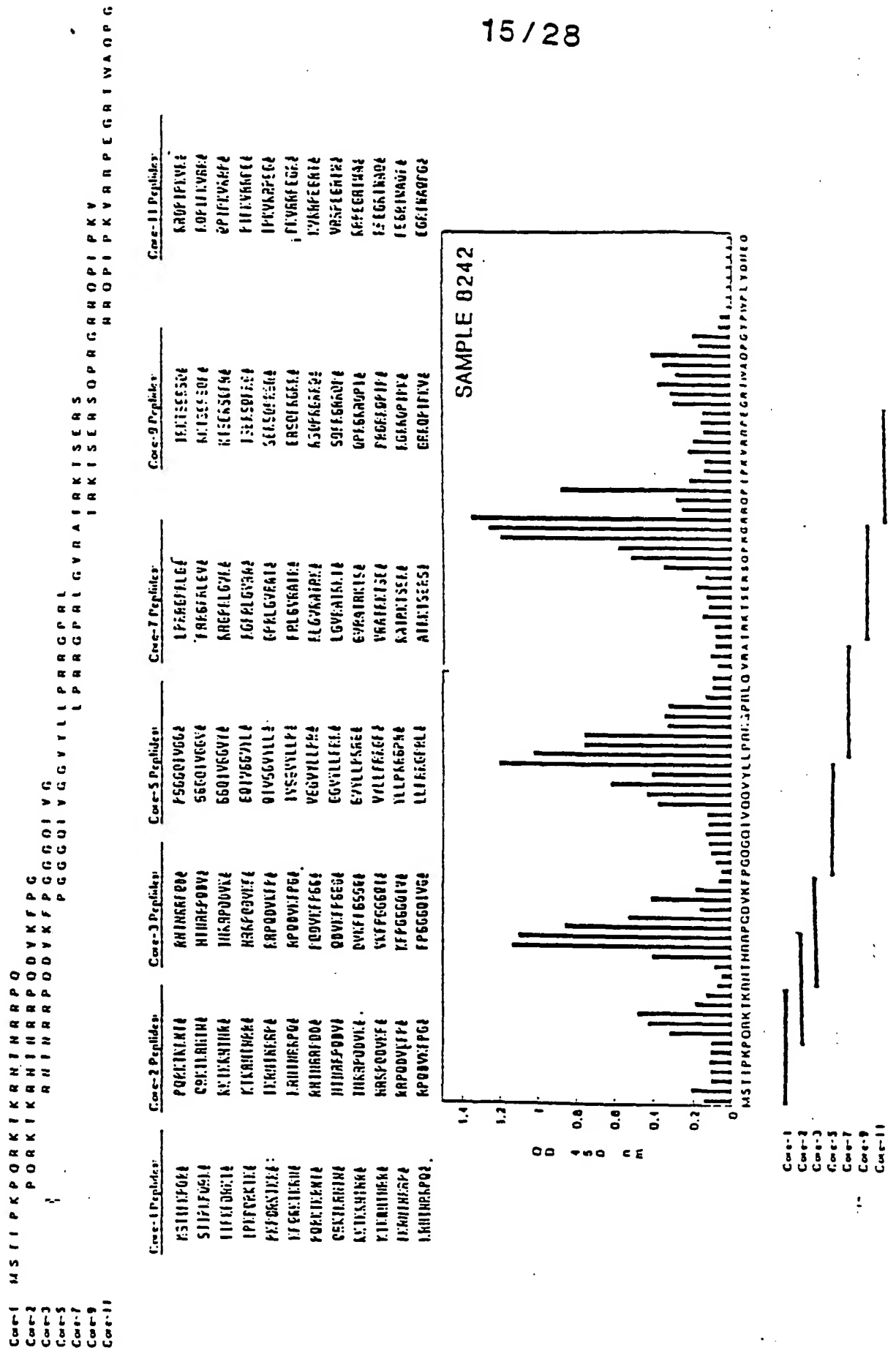


HCV NSS PEPTIDES (13-33)

Figure 6c (continued)

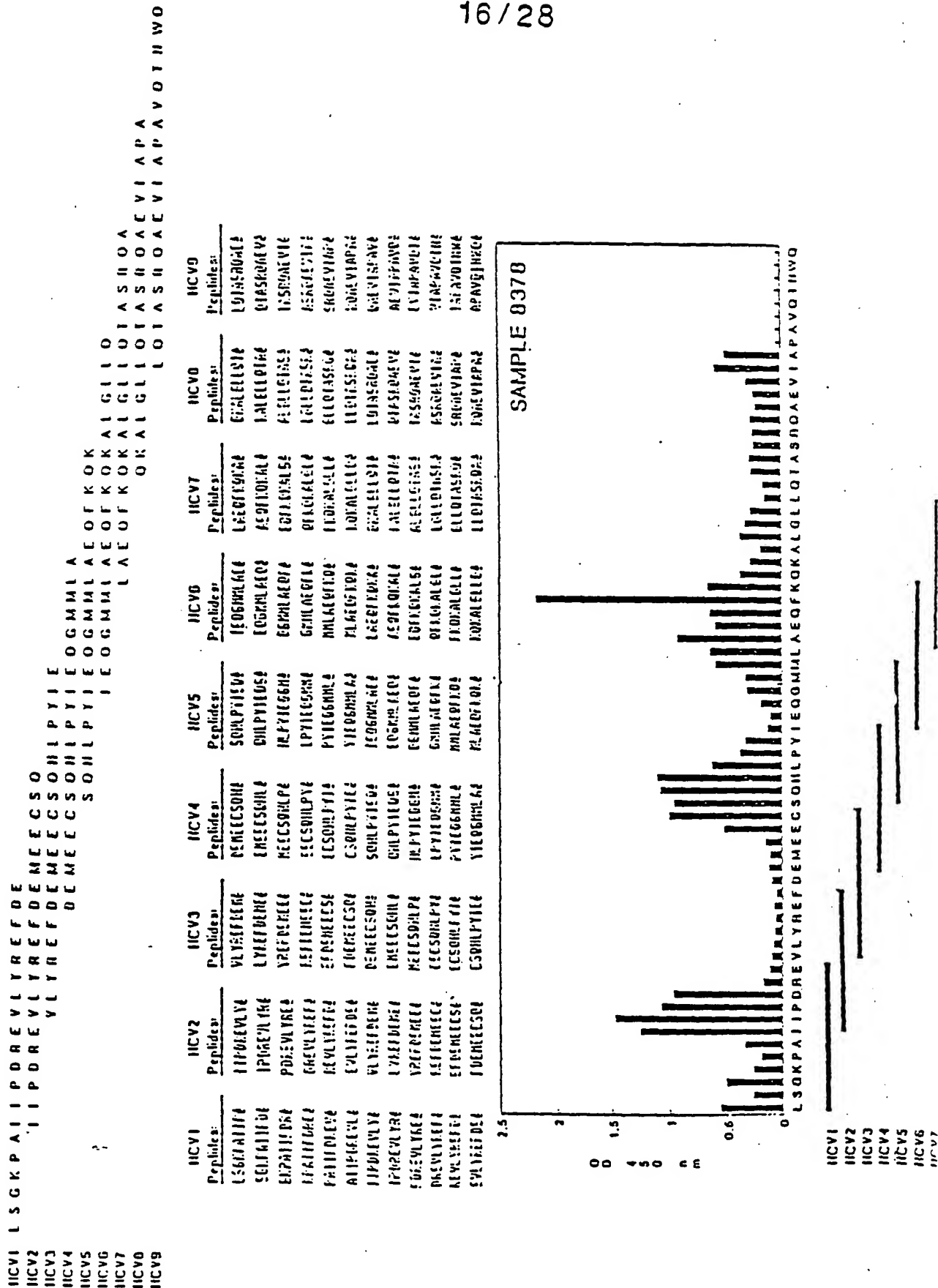


**Figure 7a**



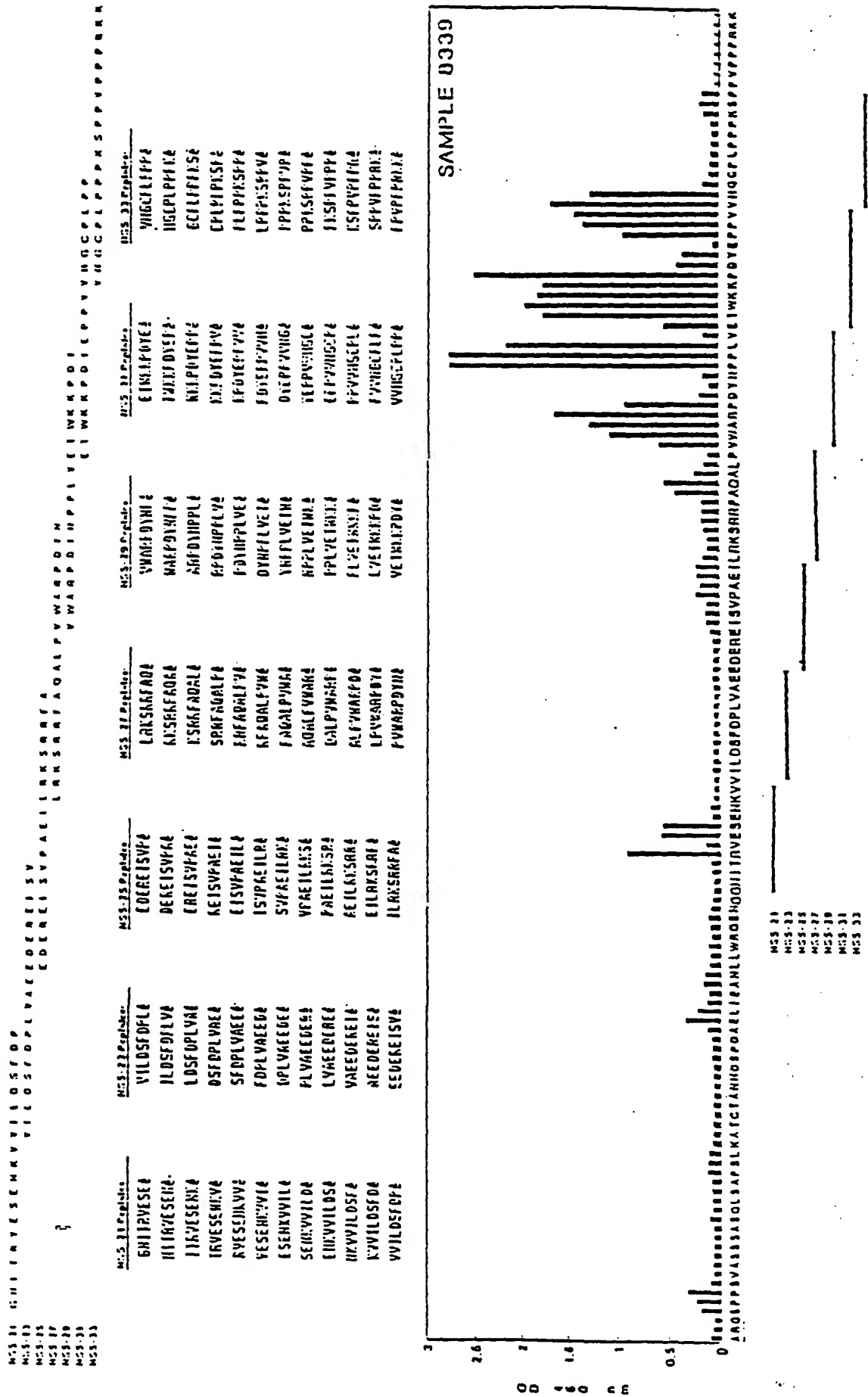


**Figure 7b**



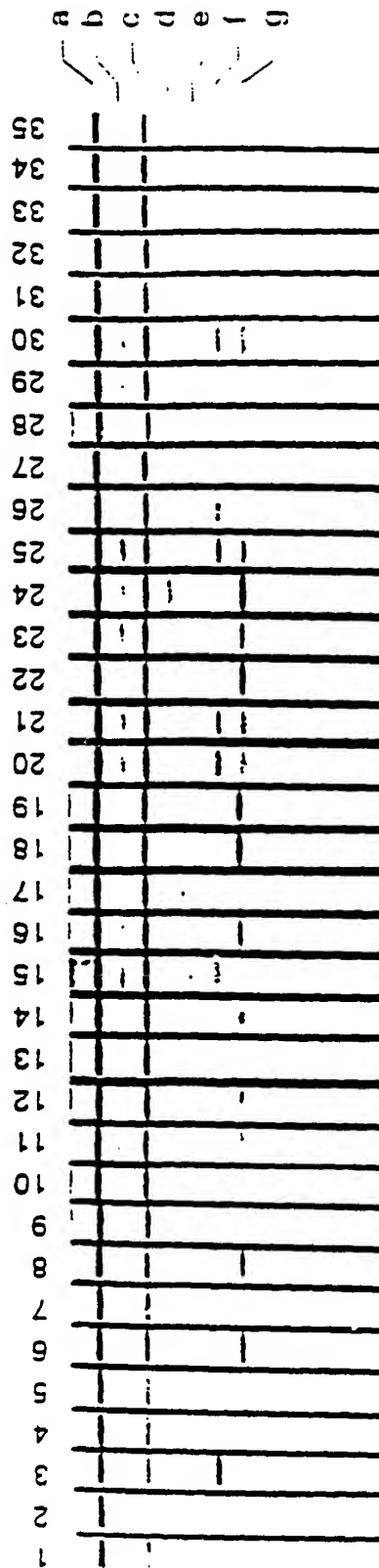


**Figure 7c**





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- a: High intensity control
- b: Low intensity control
- c: Medium intensity control
- d: Peptide XXg-1, unbiotinylated
- e: Peptide XXg-2, unbiotinylated
- f: Biotinylated peptide XXg-1: streptavidin complex
- g: Biotinylated peptide XXg-2: streptavidin complex

Figure 8



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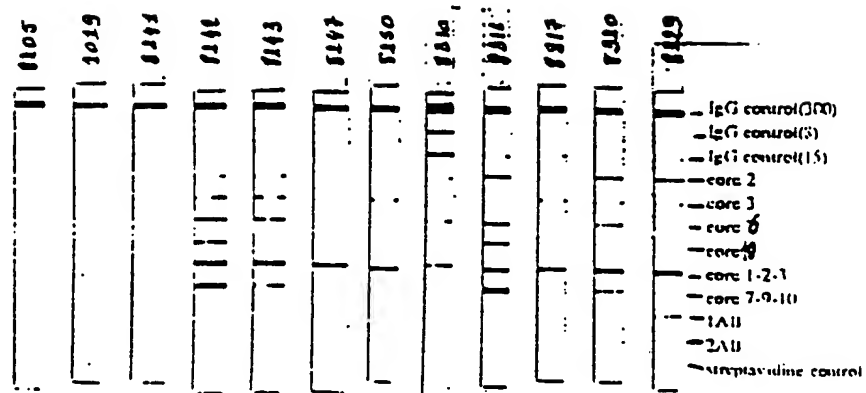


Figure 9



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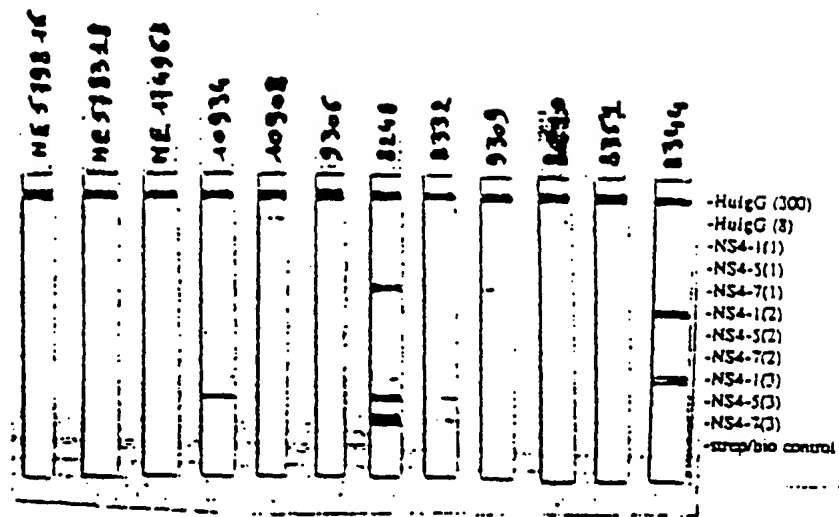


Figure 10



Peptide	Sequence
PS4 a	G A I V A I F I M S G L V P S I I D I V
PS4 b	V P S I I D I V H I I P A I I S P G A I
PS4 c	V C A A I I H R H V G V V C A A I I H R
PS4 d	G E G A V O W M H R I A I A S H G N H
PS4 e	G E G A V O W M H R I A I A S H G N H

Figure 11



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Peptide	Amino Acid Sequence		
Epi-152	Bio- G G - I P D R E V L Y R G G K K P D Y E P P V G G R R P O D V K F P		
	NS4 epitope 1	NS5 epitope 5	Core epitope 2
Epi-3383A	Bio- G G - W A R P D Y N P P G G O F K O K A L G L G S G V Y L L P R R G		
	NS5 epitope 3	NS4 epitope 3B	Core epitope 3A
Epi-482A6	Bio- G G - R G R R O P I P K G G S O H L P Y I E O S G P V V H G C P L P		
	Core epitope 4B	NS4 epitope 2A	NS5 epitope 6

Figure 12



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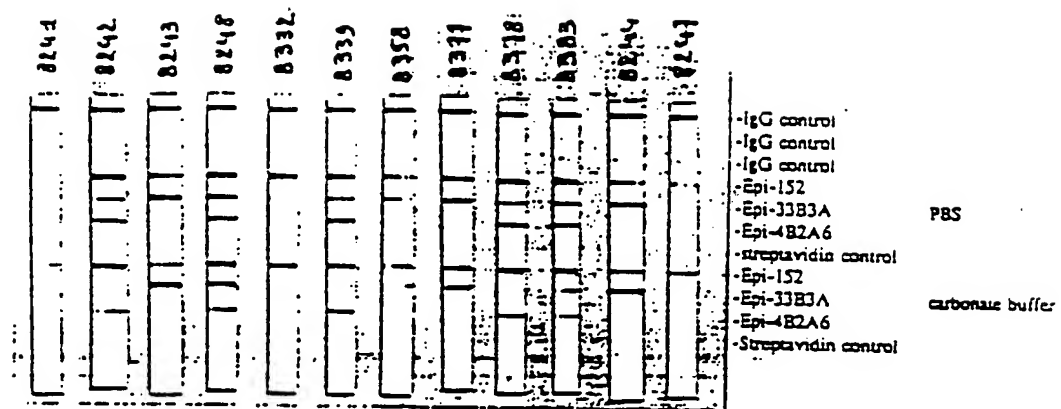


Figure 13

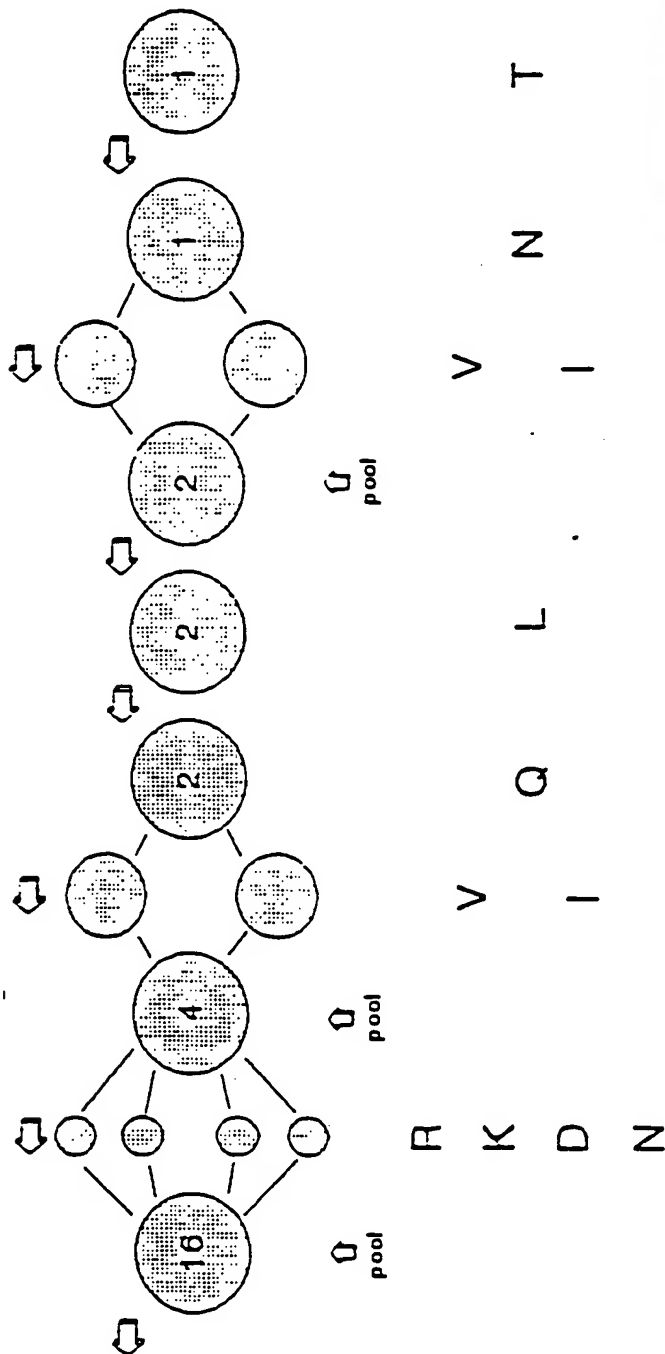






Figure 15

# Mixotope Synthesis Strategy.

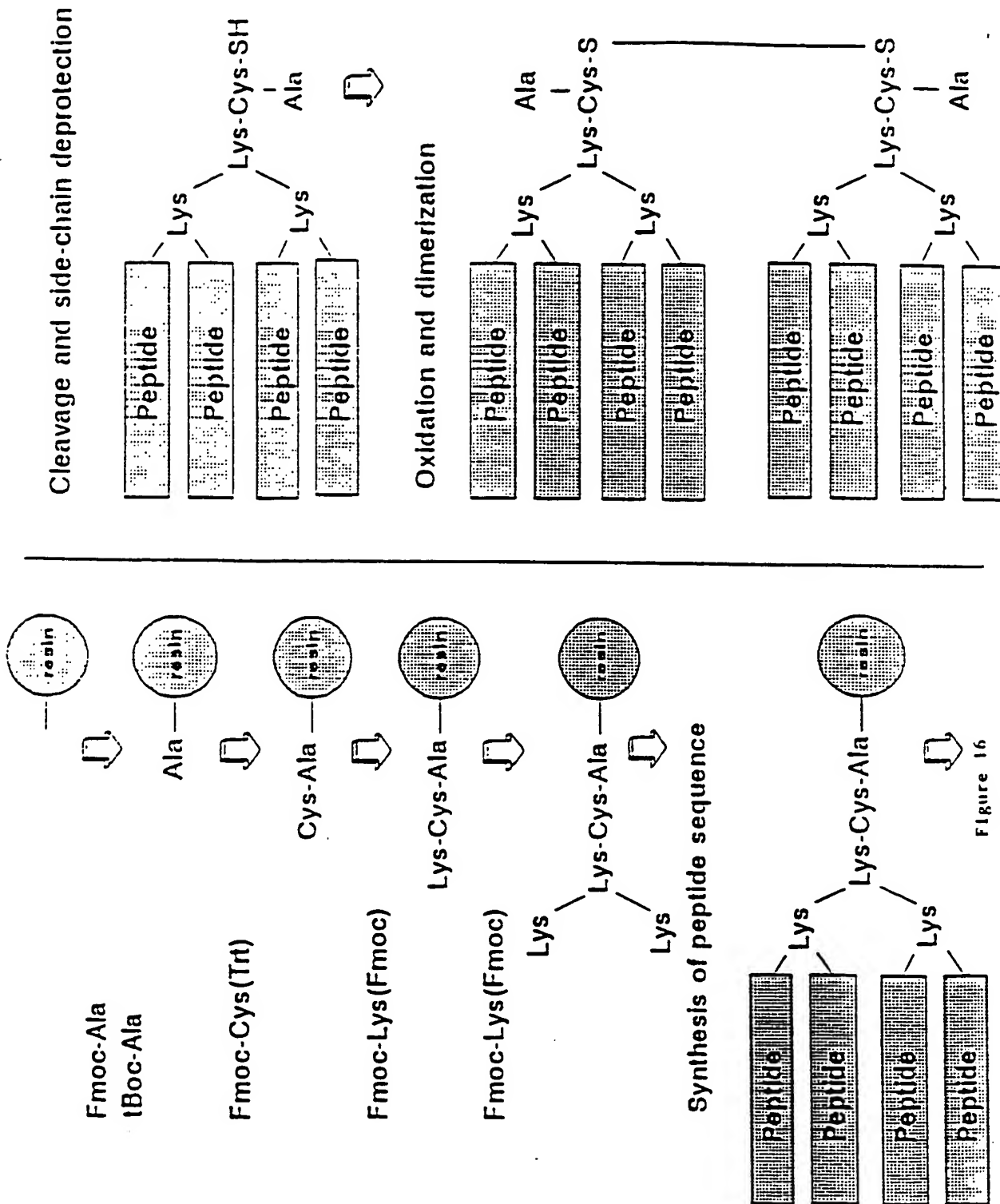


Coupling step 7 6 5 4 3 2 1

Direction of synthesis









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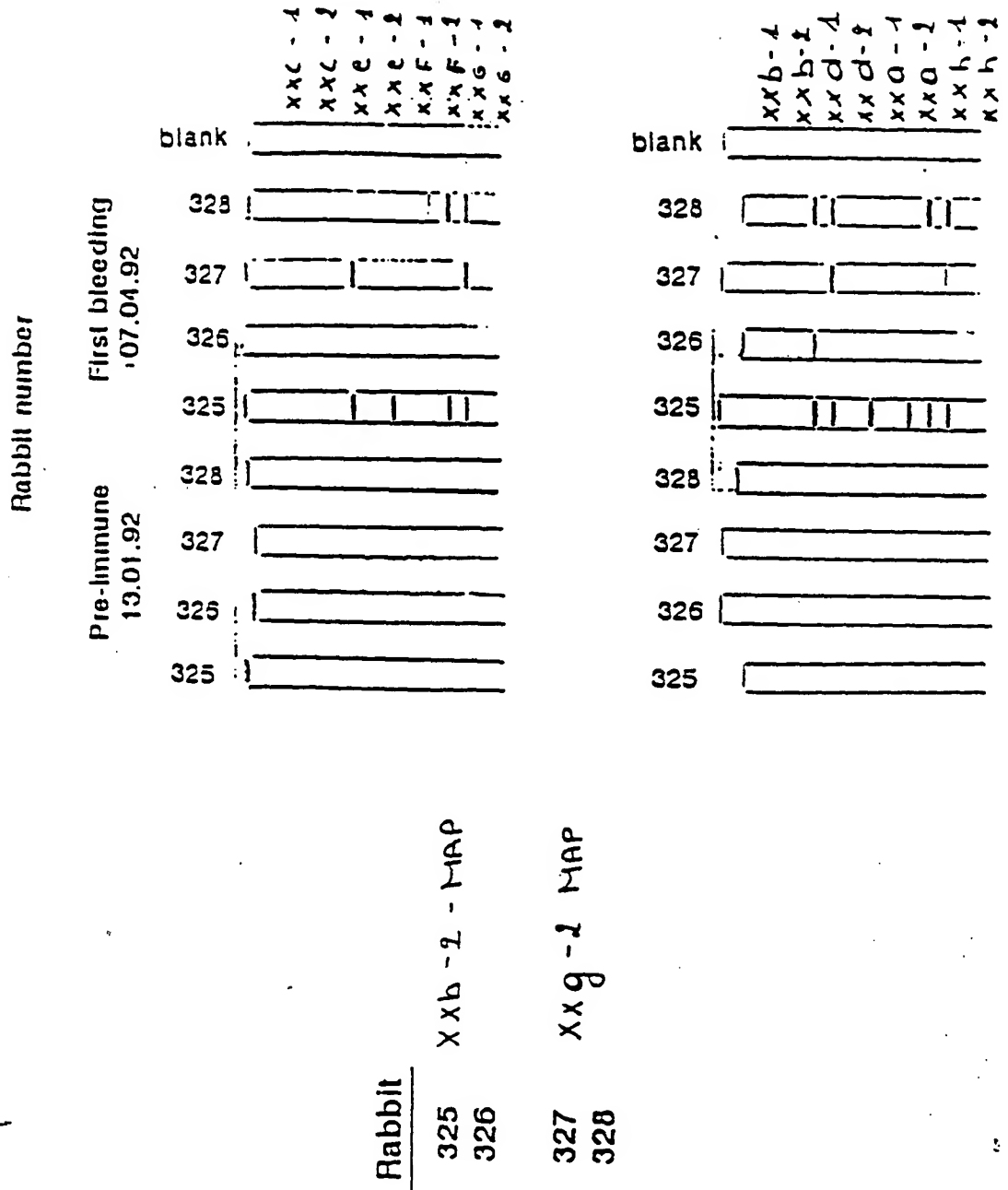




FIGURE 18

